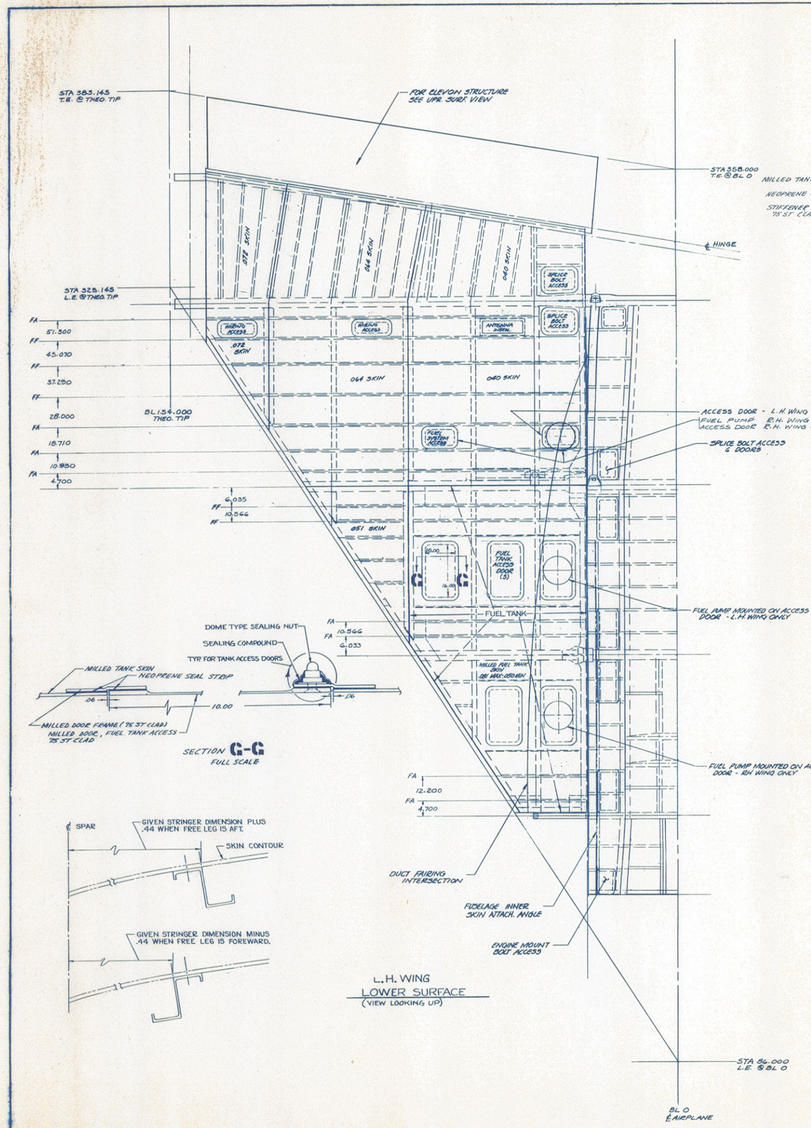
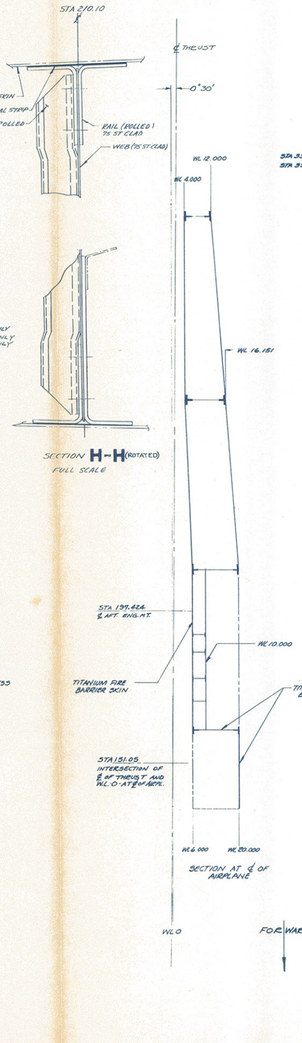
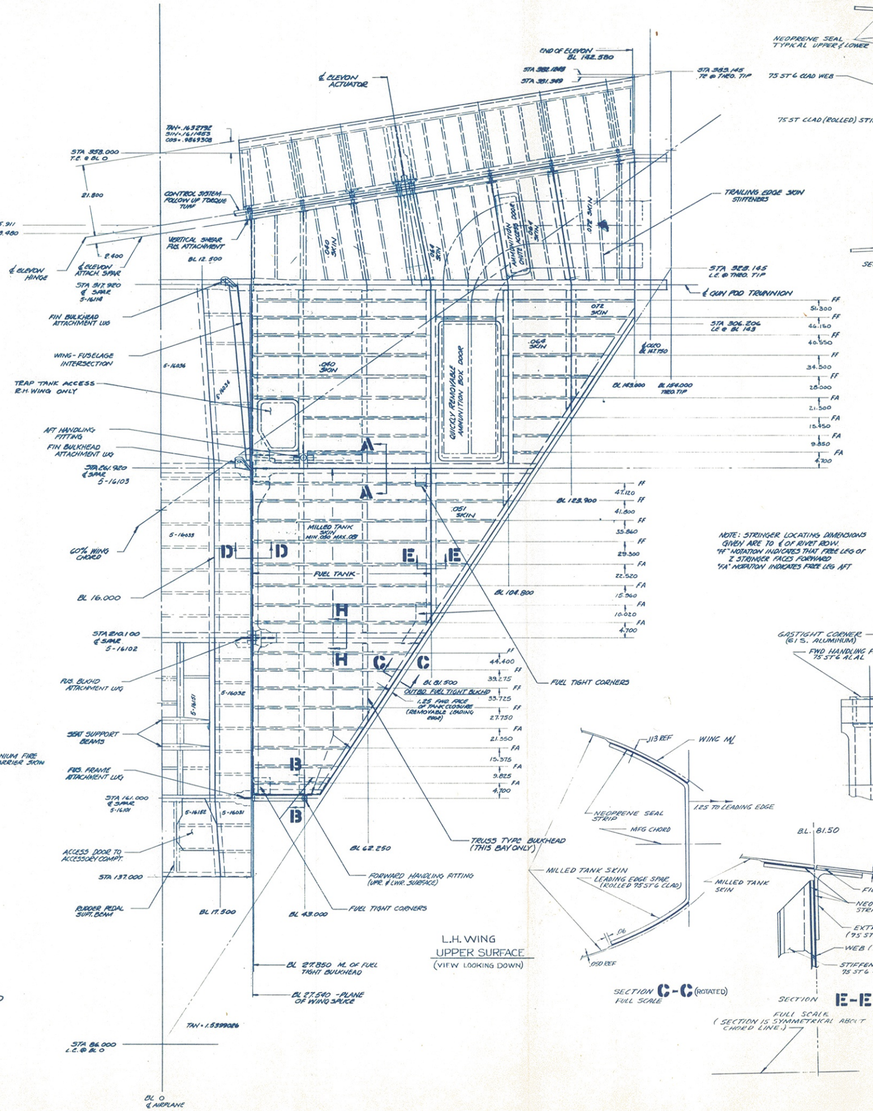

STA 383.145 T.E. @ THEO. TIP
FOR ELEVON STRUCTURE SEE UPR. SURF. VIEW
STA 358.000 T.E. @ BL 0
HINGE
STA 328.145 L.E. @ THEO. TIP
BL 134.000 THEO. TIP
ACCESS DOOR - L.H. WING ONLY
FUEL PUMP - R.H. WING ONLY
ACCESS DOOR - R.H. WING ONLY
SPLICE BOLT ACCESS & DOORS
FUEL PUMP MOUNTED ON ACCESS DOOR - L.H. WING ONLY
FUEL PUMP MOUNTED ON ACCESS DOOR - R.H. WING ONLY
FUEL TANK
DUCT FAIRING INTERSECTION
FUSELAGE INNER SKIN ATTACH. ANGLE
ENGINE MOUNT BOLT ACCESS
STA 86.000 L.E. @ BL 0
BL 0 @ AIRPLANE
DOME TYPE SEALING NUT
SEALING COMPOUND
TYP. FOR TANK ACCESS DOORS
MILLED TANK SKIN
NEOPRENE SEAL STRIP
MILLED DOOR FRAME (7075-T6 CLAD)
MILLED DOOR, FUEL TANK ACCESS
SECTION G-G
FULL SCALE
SPAR
GIVEN STRINGER DIMENSION PLUS .44 WHEN FREE LEG IS AFT.
SKIN CONTOUR
GIVEN STRINGER DIMENSION MINUS .44 WHEN FREE LEG IS FOREWARD.
L.H. WING
LOWER SURFACE
(VIEW LOOKING UP)





BL. 27.15 REF.
NEOPRENE SEAL TYPICAL UPPER & LOWER
MILLED TANK SKIN
RAIL (ROLLED 75 ST AL)
75 ST & CLAD WEB
75 ST CLAD (ROLLED) STIFFENER
SECTION D-D
FORMED SHEET METAL STIFFENERS AFT OF FUEL TANK
RUBBER (IN AFT 20% OF TANK) TOES ON DOUBLER EXTEND AFT OF BULKHEAD (CONDITIONS - NOT SHOWN IN PLAN VIEW)
.094 AL. EXTRUSION
SEAL
.081 CLAD 75 ST
NEOPRENE SEAL STRIP
MILLED TANK SKIN
EXTRUDED INTEGRALLY IN FUEL TANK
.050 MACHINED SURFACE
SECTION A-A
HALF SIZE
NOTE: STRINGER LOCATING DIMENSIONS GIVEN ARE TO ℄ OF RIVET ROW. "H" NOTATION INDICATES THAT FREE LEG OF ℄ STRINGER FACES FORWARD. "FA" NOTATION INDICATES FREE LEG AFT.
EXTRUDED FITTING 75 ST AL AL
WING M.
MILLED TANK SKIN
GASTIGHT CORNER (61 S. ALUMINUM)
FWD HANDLING FITTING 75 ST & AL AL
NEOPRENE SEAL STRIPS
CHORD LINE-℄
WEB (75 ST & CLAD)
SECTION B-B (ROTATED) (THIS SECTION SYMMETRICAL ABOUT CHORD LINE) FULL SCALE
113 REF.
WING M.
L.E.S TO LEADING EDGE
NEOPRENE SEAL STRIP
MFG CHORD
MILLED TANK SKIN LEADING EDGE SPAR (MILLED 75 ST & CLAD)
SECTION C-C (ROTATED) FULL SCALE
BL. 81.50
051 REF.
FILLER (75 ST & CLAD)
NEOPRENE SEAL STRIPS
EXTRUDED RAIL (75 ST & AL AL)
WEB (75 ST & CLAD)
STIFFENER (ROLLED) 75 ST & CLAD
SECTION E-E
FULL SCALE
(SECTION IS SYMMETRICAL ABOUT CHORD LINE)

NOTES:
1. ALL ALUMINUM AND ALUMINUM ALLOYS USED IN THE CONSTRUCTION OF THE INTEGRAL FUEL TANKS SHALL BE ANODIZED. NO PAINT IS REQUIRED.

CONSOLIDATED VULTEE AIRCRAFT CORPORATION
SAN DIEGO, CALIFORNIA
WING STRUCTURAL DIAGRAM
5-01201

CONFIDENTIAL SECURITY INFORMATION